

Work Order ID 134637

Monday, July 13, 2015 1:26:24 PM

134637

OFFSHORE

Page 1

Item ID: D350-636-109

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Tow Ring, Fits LH or RH

Start Date: 7/13/2015 Start Qty: 1.00

1

Cust Item ID:

Required Date: 7/13/2015 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MLS Date: JUL 13 2015 Tooling: _____ Date: _____Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
IIN-D350-636	J

DAS
6
9-89

100

Document Control

0.00

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D350-636-109
CHG002

DAS
27
9-89

JUL 20 2015

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DAS
6
9-89

JUL 16 2015

68-6
82
SVC

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS
27
9-89

JUL 20 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Work Order ID 134637

134637

Page 2

Monday, July 13, 2015 1:26:24 PM

Item ID: D350-636-109 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Tow Ring, Fits LH or RH
 Start Date: 7/13/2015 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 7/13/2015 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D3550-636-109								
	Location: _____								
	PPP rev: <u>offshore FG 001</u>								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

27
9-09
ish120

MLJ

JUL 20 2015

May 07/20/15
 (Signature)

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																									
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Picklist Print

Monday, July 13, 2015 1:26:27 PM

Page 1

Work Order ID: 134637

134637

Parent Item: D350-636-109

D350-636-109

Parent Item Name: Tow Ring, Fits LH or RH

Start Date: 7/13/2015

Required Date: 7/13/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 10.10.01 new issue DD verf;EC
13.08.26 ECN13-535 DD VERF:JLM

IPP REV:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3407-043 *D3407-043* Tow Ring		Manufactured	No			110	Each	20.0000	1	1		DAS 6 9-89	DAS 23 9-89
				<u>Location</u>				<u>Loc Qty</u>					
				st530				20					
				119642				1					
				129084				10					
				131111				9					
D3417-9 *D3417-9* Washer		Manufactured	No			110	Each	30.0000	2	2		DAS 6 9-89	DAS 23 9-89
				<u>Location</u>				<u>Loc Qty</u>					
				ST035				30					
				106817				28					
				97555				2					
D3456-1 *D3456-1* Washer		Manufactured	No			110	Each	43.0000	2	2			DAS 23 9-89
				<u>Location</u>				<u>Loc Qty</u>					
				FG				7					
				25701				7					
				ST038				33					
				115051				1					
				130974				32					
				ST051A				3					
				128456				3					

JUL 16 2015

DAS
6
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
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Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Monday, July 13, 2015 1:26:27 PM

Work Order ID: 134637

134637

Parent Item: D350-636-109

D350-636-109

Parent Item Name: Tow Ring, Fits LH or RH

Start Date: 7/13/2015

Required Date: 7/13/2015

Start Qty: 1.00

Required Qty: 1.00

MS21043-4

Purchased

No

110

Each

856.0000

1

1

MS21043-4

Nut

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

40

104603

40

GA

212

m128798

212

ST260a

400

m132536

400

ST304

204

m128818

47

m131697

9

m132382

148

DAS
6
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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		OTHER : ☐			

Refer only

DAS
27
9-89

7.0 PARTS LIST
(D350-636-101/-103/-104/-105A/-105B/-107/-107A/-107B/-109 KITS)

Item	Qty -101	Qty -103	Qty -104	Qty -105A	Qty -105B	Qty -107	Qty -107A	Qty -107B	Qty -109	Part Number	Description
	X									D350-636-101	TOE STEP KIT (LH/RH)
		X								D350-636-103	APICAL FLOAT CONVERSION KIT, LH
			X							D350-636-104	APICAL FLOAT CONVERSION KIT, RH
				X						D350-636-105A	WEDGE KIT
					X					D350-636-105B	WEDGE KIT
						X				D350-636-107	CABLE GUARD KIT
						1	X			D350-636-107A	FWD CABLE GUARD
						1		X		D350-636-107B	AFT CABLE GUARD
									X	D350-636-109	TOW RING KIT
8		1								D3488-041	BLADE FITTING, LH (REPLACES D2742-1)
8			1							D3488-042	BLADE FITTING, RH (REPLACES D2742-2)
10		2	2							AN8C21A	BOLT (REPLACES AN8-18A)
11		2	2							AN980JD816	WASHER (OR NAS1149D0863J)
12		2	2							MS21083C8	NUT (REPLACES MS21083N8)
26B		4	4							AN3C7A	BOLT (REPLACES AN3-7A)
27		4	4							AN980C10L	WASHER (REPLACES AN980JD10)
40	1									D3487-1	TOE STEP ASSEMBLY
43		2	2							D3493-1	WASHER
50		2	2							D3532-1	WASHER
60				2						D3926-1	WEDGE
61					2					D3926-3	WEDGE
62				4	4					MS21042L3	NUT
63				4	4					MS24693S276	SCREW
64				4	4					NAS1149D0363J	WASHER
70							1			D3927-1	FWD CABLE GUARD
71								1		D3927-3	AFT CABLE GUARD
72							2			D3928-1	BRACKET
73							2			AN4-14A	BOLT
74								1		BLBS-020	PIP PIN
75							2			MS21042L4	NUT
76							4			NAS1149D0463J	WASHER
80									1	D3407-043	TOW RING ASSEMBLY
81									2	D3417-9	WASHER
82									2	D3456-1	WASHER
83									1	MS21043-4	NUT